

SNAPPER PRO™

Simplicity



Parts Manual Hydrocut Export Walk-Behind Mower

S/N: 2000856282 & Above



Models:

5901182

Description:

(HC32KAV13E) Hydro-Drive PRO (S/N: 2000856282 & Above)

Briggs and Stratton Power Products Group, LLC

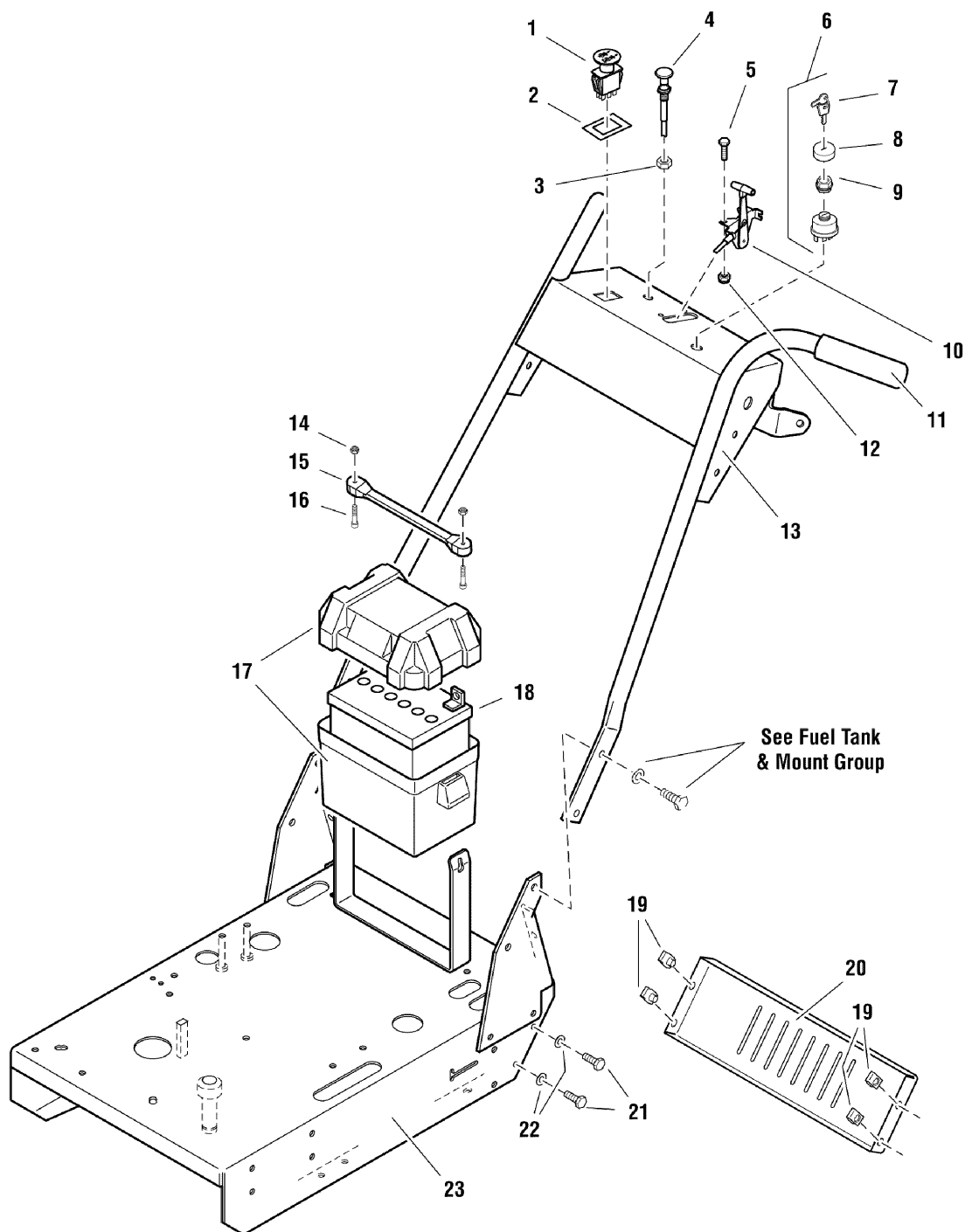
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Munnsville, NY 13409 USA
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5101227
Revision B
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TP 400-7336-B-HC-SN

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Engine Frame & Handle Bars Group - Electric Start

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Engine Frame & Handle Bars Group - Electric Start

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022180	1	SWITCH, BLADE ENGAGEMENT
2	5022222	1	RING, SWITCH RETAINER
3	5025035	1	NUT, 3/8-24 HEX
4	5046501	1	CABLE, CHOKE CONTROL, 47" (Includes Ref. No. 3)
5	5025010X6	4	BOLT, 1/4-20 X 3/4" GD5 YZ (2 for battery terminals - not shown)
6	5020927	1	SWITCH, IGNITION, 6 POST (Includes Ref No. 7 - 9)
7	5022789	1	KEY, Ignition, Molded Set
8	5022790	1	COVER
9	5022791	1	PLASTIC NUT
10	5047629	1	CABLE, THROTTLE CONTROL, 48"
11	5021841	2	GRIP, FOAM, .940" X 5" X .187"
12	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE
13	5061279B	1	WELD, HANDLE BAR, TD
14	5025271	2	NUT, #10-24 HEX NYLON LOCK
15	5021670	1	STRAP, RUBBER
16	5025270	2	SCREW, #10-24 X 1" RS
17	5046188	1	BATTERY BOX W/ DRAIN
18	-	1	BATTERY, WET (BCIU1, 340 CCA)
19	5022308	4	BODY CLIP, 5/16-18 X 1/2" DEEP
20	5047735B	1	SHIELD, REAR
21	5025011X8	4	BOLT, 5/16-18 X 1" GD5 YZ
22	5025155	4	WASHER, 5/16" SAE
23	5049229B	1	WELD, ENGINE DECK, HC36
24	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE (for battery terminals - not shown)

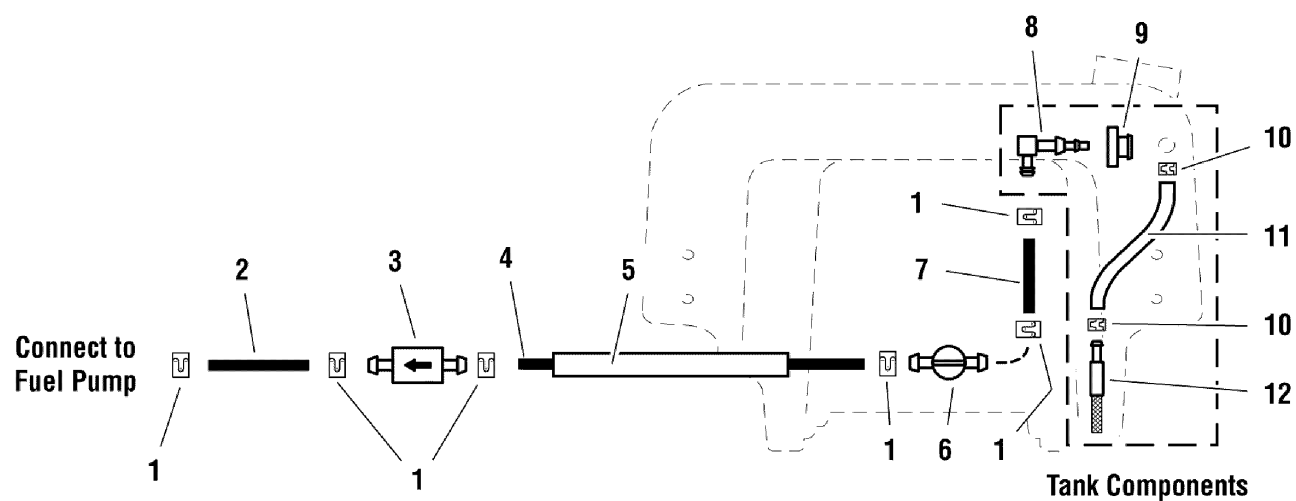
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Fuel Supply Hose & Tank Replacement Parts Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Fuel Supply Hose & Tank Replacement Parts Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5020835	6	CLAMP, HOSE, EXTERNAL, 1/2 - RED
2	5050831X7	1	HOSE, 1/4" FUEL, 7.00" (supplied with engine)
3	5021178X3	1	FUEL FILTER (supplied with engine)
4	5050831X35	1	HOSE, 1/4" FUEL, 35.00"
5	5050833X23	1	WIRE LOOM, 1/2" ID, 23" LONG
6	5021235	1	VALVE, FUEL SHUT OFF
7	5050831X5	1	HOSE, 1/4" FUEL, 5.00"
8	5023061	1	ELBOW FITTING
9	1726400	1	GROMMET
10	5023069	2	HOSE CLAMP
11	5050925X20	1	HOSE, 20"
12	5023067	1	SCREEN FITTING

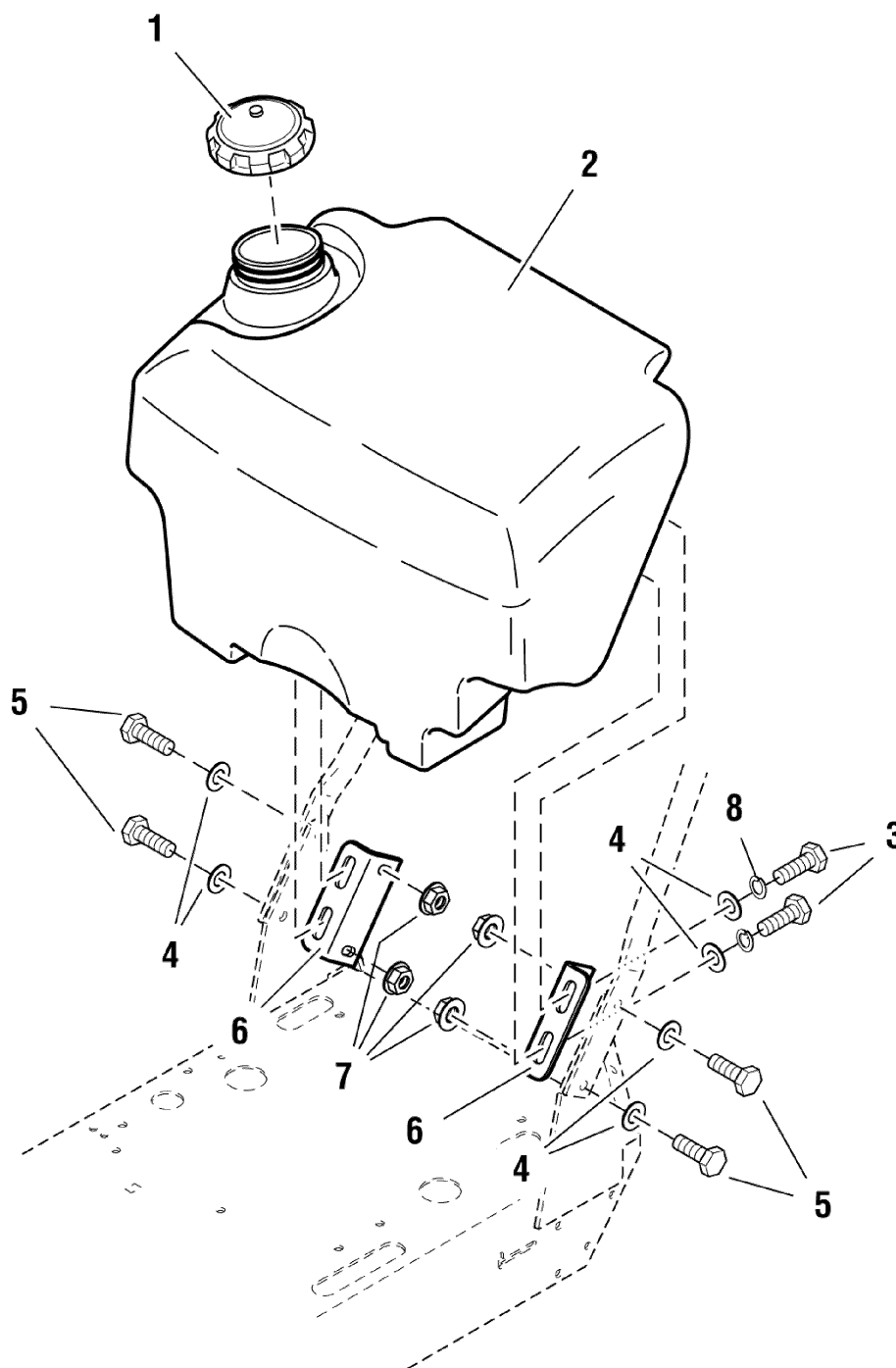
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Fuel Tank & Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

Fuel Tank & Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022158	1	CAP, FUEL TANK, 3-1/2" NECK
2	5048149	1	TANK, FUEL
3	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 YZ
4	5025156	8	WASHER, 3/8" SAE
5	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5
6	5049228B	2	MOUNT, FUEL TANK
7	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
8	5025171	4	WASHER, 3/8" SPLIT LOCK

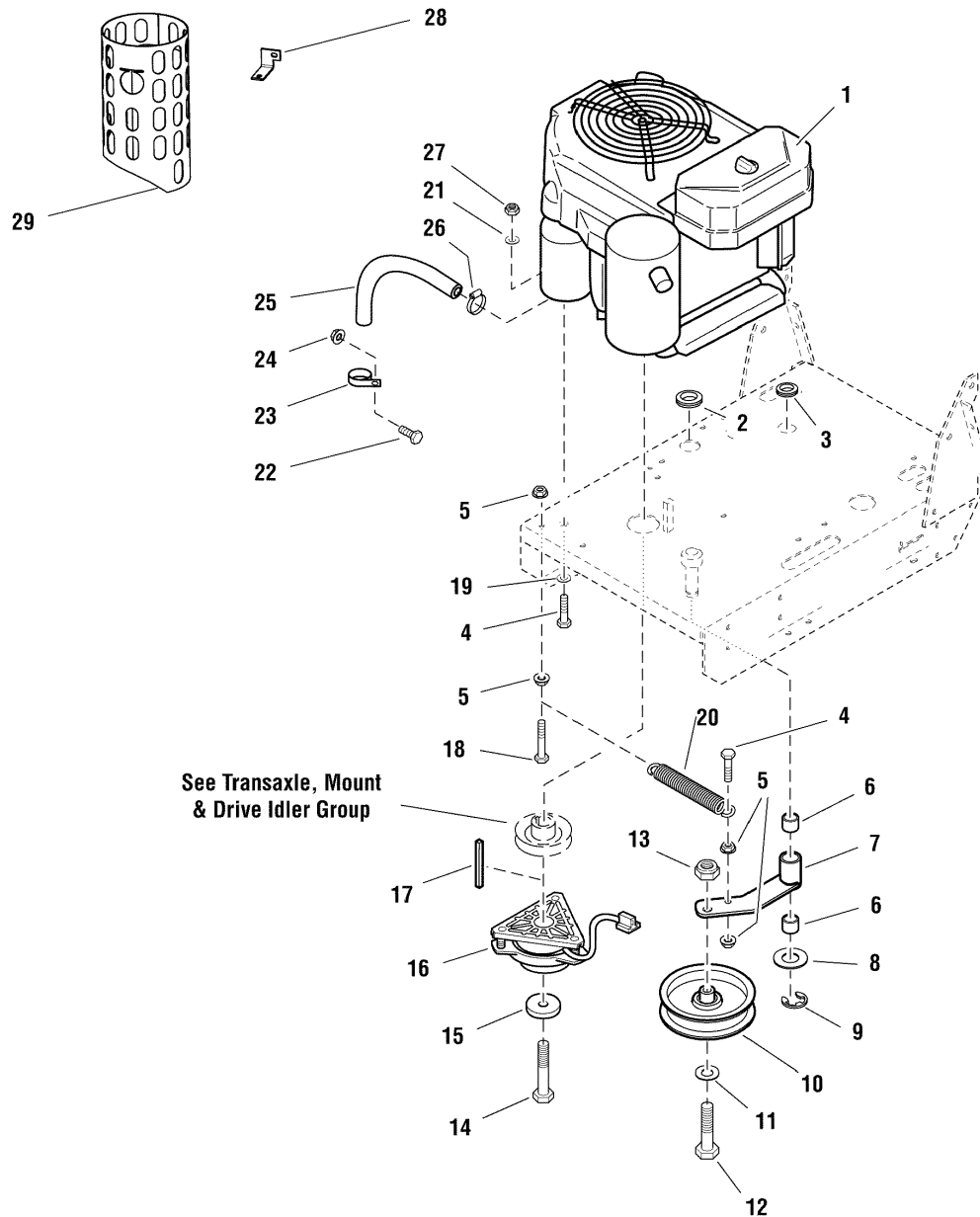
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Engine, PTO, & Deck Drive Idler Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Engine, PTO, & Deck Drive Idler Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	1	* ENGINE, 13HP KAW ELEC START Mod. FH381V-BS28-R
2	5021379	1	GROMMET, 7/8
3	5021077	1	GROMMET, 1/2
4	5025011X12	5	BOLT, 5/16-18 X 1-1/2" GD5 YZ
5	5025139	4	NUT, 5/16-18 Hex Large Serrated Flange
6	5020876B	2	BUSHING, BRASS, 3/4 X 1 X 1
7	5047661B	1	DECK DRIVE IDLER ARM
8	5025160	1	WASHER, 3/4" SAE
9	5020863	1	C-CLIP
10	5021369	1	IDLER PULLEY
11	5025158	1	WASHER, 1/2" SAE
12	5025018X20	1	BOLT, 1/2-20 X 2-1/2" GD5 YZ
13	5025098	1	NUT, 1/2-20 Hex Nylon Lock
14	5047632	1	BOLT, CRANKSHAFT, 7/16"X2.75
15	5042132	1	SPACER, .45 x 1.62 x .37
16	1717664	1	CLUTCH,#504586, ELECTRIC, OGURA JD-11
17	5050407X3	1	KEY, 1/4 SQ. X 2
18	5025011X18	1	BOLT, 5/16-18 X 2-1/4" GD5 YZ
19	5025155	5	WASHER, 5/16" SAE
20	5021103	1	SPRING, Extension
21	5025155	5	WASHER, 5/16" SAE
22	5025011X6	1	BOLT, 5/16-18 X 3/4" GD5
23	5023173	1	CLAMP, HOSE, 1.000 DIA.
24	5025127	1	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
25	5050857X10P5	1	HOSE, 1/2" PUSH-ON, 10.50"
26	5021392	1	CLAMP, #6 HOSE, STAINLESS
27	5025057	4	NUT, 5/16-18 HEX NYLON LOCK
28	5049340B	1	BRACKET, MUFFLER GUARD - RED
29	5049338B	1	WELD, MUFFLER GUARD - RED
30	5022665	2	BODY CLIP, 1/4-20 X 1/2" DEEP (Not Shown)
31	5025249	1	BOLT, M8-1.25 X 20MM GD8.8 (Not Shown)

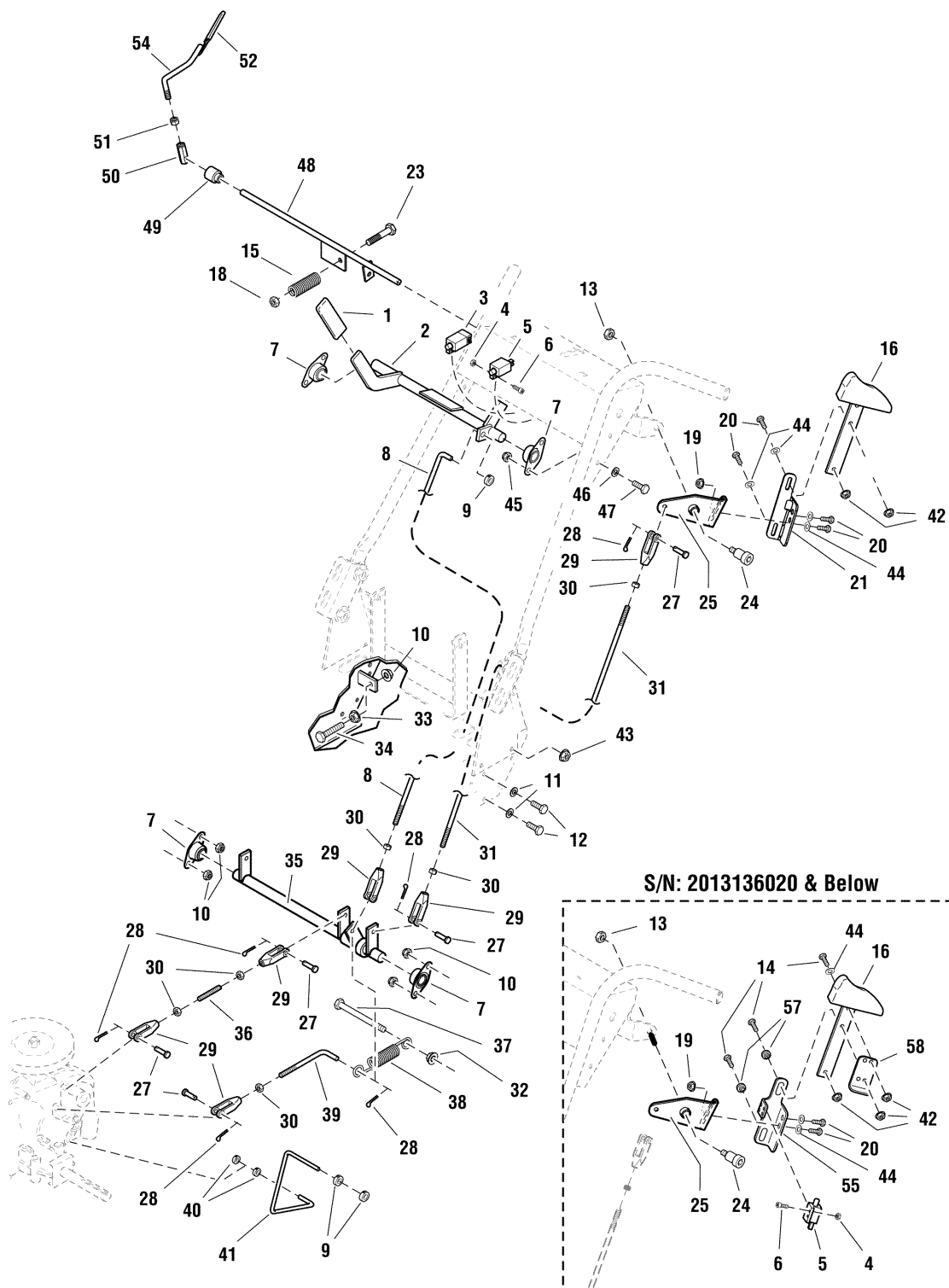
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136021 & Above)

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136021 & Above)

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025510	1	GRIP, FOAM, 1/4" X 1
2	5061278B	1	WELD, BRAKE CONTROL
3	5022438	1	SWITCH, Plunger, NO/NO
4	5025029	8	NUT, #10-24 HEX
5	5021769	3	SWITCH, Plunger, NC
6	5025179X4	8	SCREW, #10-24 X 1/2" ROUND PHILLIPS
7	5021098	4	BEARING, BRONZE FLANGE, 3/4
8	5061495	1	ROD, PARKING BRAKE LINKAGE
9	5020047	3	COLLAR, 5/16" SET
10	5025392	9	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5025155	8	WASHER, 5/16" SAE
12	5025011X6	8	BOLT, 5/16-18 X 3/4" GD5
13	5025100	2	NUT, 3/8-16 HEX SIDE LOCK
14	5025010X8	2	BOLT, 1/4-20 X 1", GD5
15	5061693	4	SPACER, SLIDE
16	5061691	1	HANDLE, RUBBER HYDROCUT - LH
17	5061702	1	HANDLE, RUBBER HYDROCUT - RH (Not Shown)
18	5061713B	2	ACTUATOR, SWITCH
19	5025126	4	NUT, 1/4-20 HEX SERR. FLANGE
20	5025010X6	6	BOLT, 1/4-20 X 3/4" GD5 YZ
21	5061689	1	MOUNT, MOTION CONTROLS - LH
22	5061692	1	MOUNT, MOTION CONTROLS - RH (Not Shown)
23	5025010X5	2	BOLT, 1/4-20 X 5/8" GD5 YZ
24	5025223	2	BOLT, 3/8-16 X 1.0", 1/2" SHOULDER
25	5061683B	1	WELD, ARM CONTROL, LH
26	5061685B	1	WELD, ARM CONTROL, RH (Not Shown)
27	5025213X8	7	PIN, CLEVIS, 5/16" X 1
28	5025201X6	7	PIN, COTTER, 3/32" X 3/4
29	5020979	10	CLEVIS, 5/16-24, PLASTIC
30	5025033	8	NUT, 5/16-24 HEX
31	5047642	2	ROD, THUMB CONTROL LINKAGE
32	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
33	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
34	5023157	1	BOLT, 5/16-18 X 1 1/2" FLANGE
35	5047697B	1	WELD, CONTROL SHAFT
36	5047740	1	LINK, STUD
37	5025013X32	1	BOLT, 3/8-16 X 4" GD5 YZ
38	5049352	1	SPRING, EXT, 3.875 X .70 LOOP
39	5048328	1	LINK, PARKING BRAKE LOWER
40	5022481	2	COLLAR, 1/4" SET
41	5047732	1	LEVER, DUMP VALVE

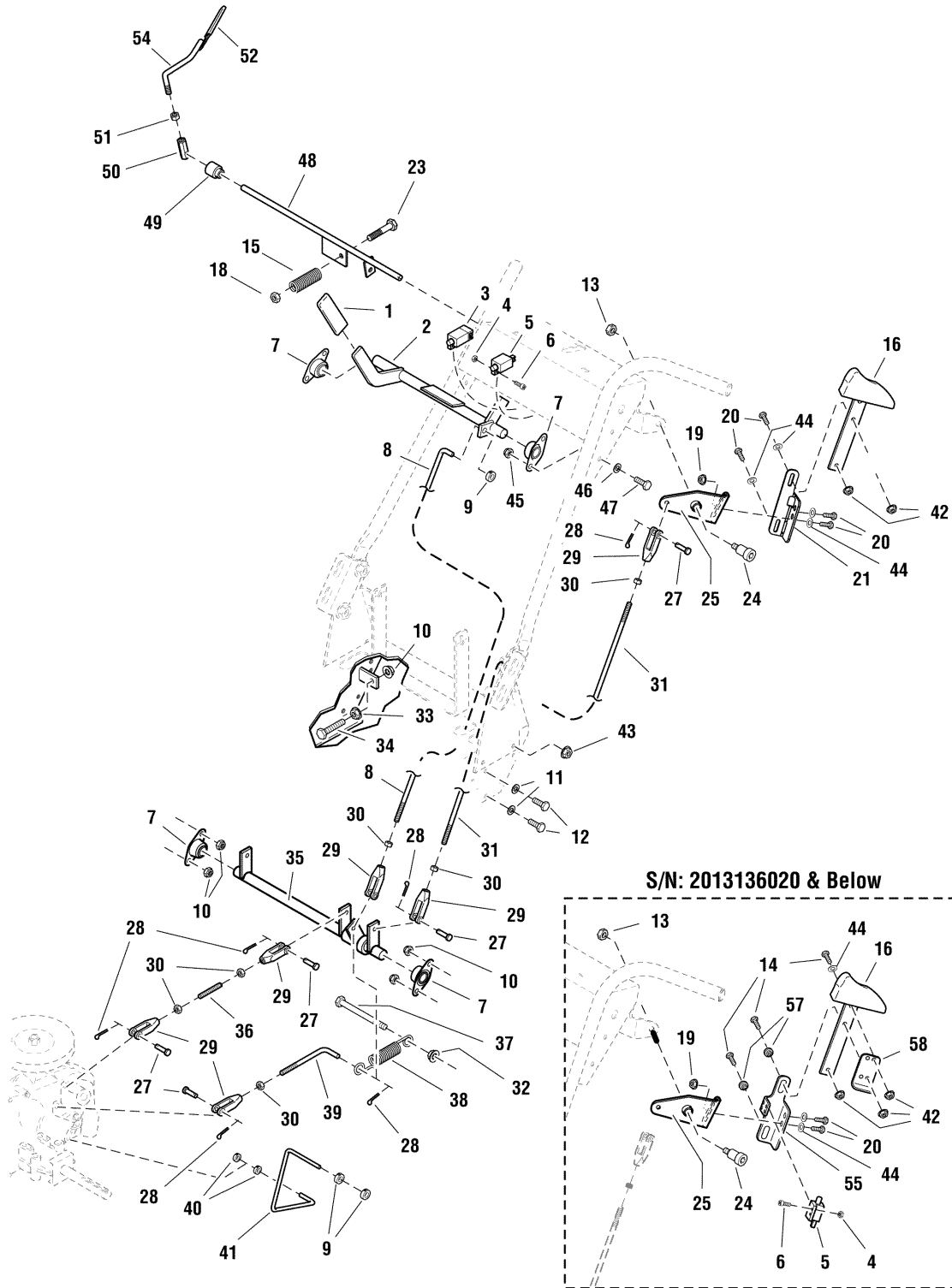
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The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136021 & Above)

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136021 & Above)

REF NO.	PART NO.	QTY.	DESCRIPTION
42	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE
43	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
44	5025154	6	WASHER, 1/4" SAE
58	5061713B	2	ACTUATOR, SWITCH (S/N: 2013136020 & Below)
58	5061713B	2	ACTUATOR, SWITCH (S/N: 2013136020 & Below)

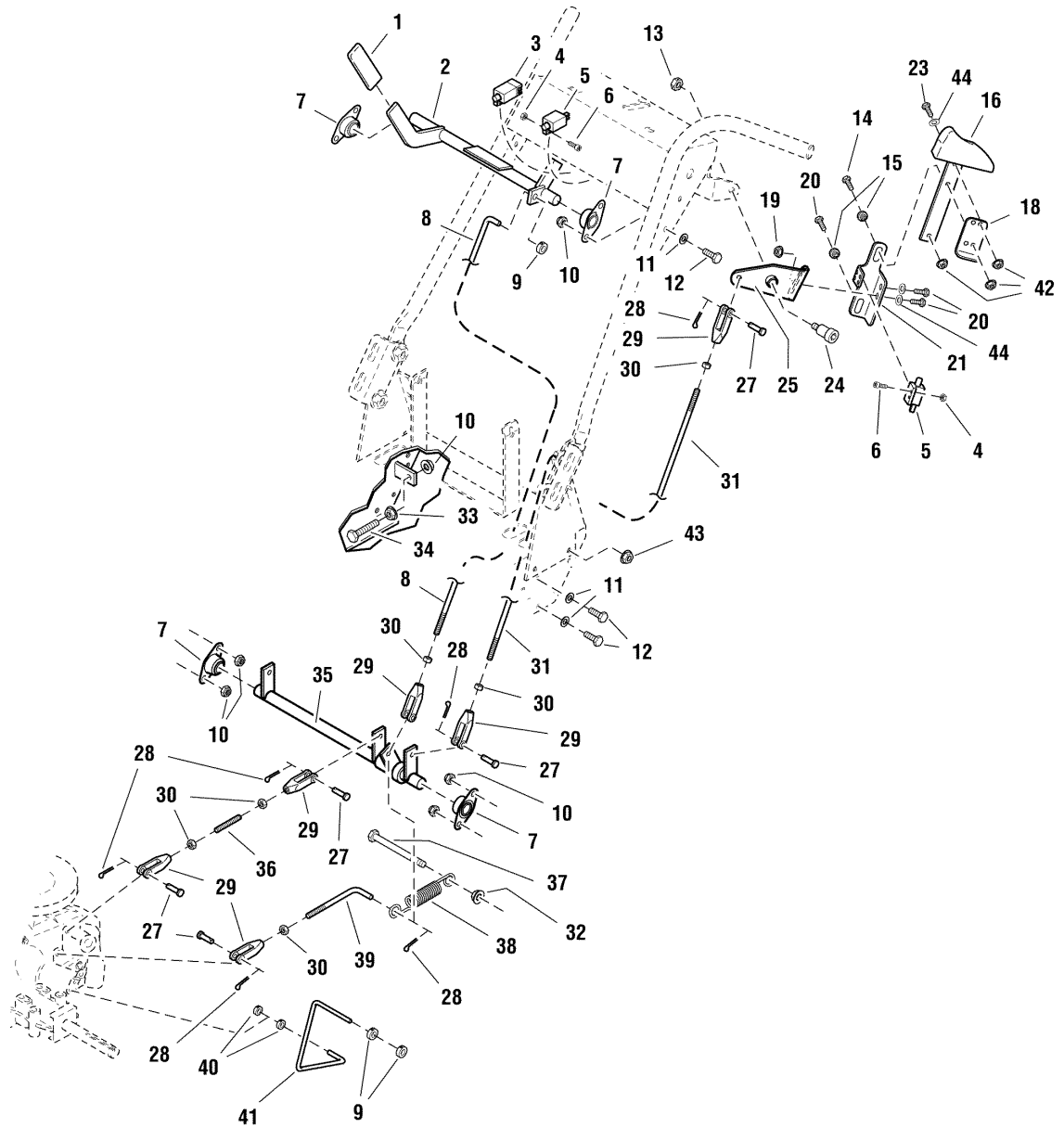
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5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136020 & Below)

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5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136020 & Below)

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025510	1	GRIP, FOAM, 1/4" X 1
2	5061278B	1	WELD, BRAKE CONTROL
3	5022438	1	SWITCH, Plunger, NO/NO
4	5025029	8	NUT, #10-24 HEX
5	5021769	3	SWITCH, Plunger, NC
6	5025179X4	8	SCREW, #10-24 X 1/2" ROUND PHILLIPS
7	5021098	4	BEARING, BRONZE FLANGE, 3/4
8	5061495	1	ROD, PARKING BRAKE LINKAGE
9	5020047	3	COLLAR, 5/16" SET
10	5025392	9	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5025155	8	WASHER, 5/16" SAE
12	5025011X6	8	BOLT, 5/16-18 X 3/4" GD5
13	5025100	2	NUT, 3/8-16 HEX SIDE LOCK
14	5025010X8	2	BOLT, 1/4-20 X 1", GD5
15	5061693	4	SPACER, SLIDE
16	5061691	1	HANDLE, RUBBER HYDROCUT - LH
17	5061702	1	HANDLE, RUBBER HYDROCUT - RH (Not Shown)
18	5061713B	2	ACTUATOR, SWITCH
19	5025126	4	NUT, 1/4-20 HEX SERR. FLANGE
20	5025010X6	6	BOLT, 1/4-20 X 3/4" GD5 YZ
21	5061689	1	MOUNT, MOTION CONTROLS - LH
22	5061692	1	MOUNT, MOTION CONTROLS - RH (Not Shown)
23	5025010X5	2	BOLT, 1/4-20 X 5/8" GD5 YZ
24	5025223	2	BOLT, 3/8-16 X 1.0", 1/2" SHOULDER
25	5061683B	1	WELD, ARM CONTROL, LH
26	5061685B	1	WELD, ARM CONTROL, RH (Not Shown)
27	5025213X8	7	PIN, CLEVIS, 5/16" X 1
28	5025201X6	7	PIN, COTTER, 3/32" X 3/4
29	5020979	10	CLEVIS, 5/16-24, PLASTIC
30	5025033	8	NUT, 5/16-24 HEX
31	5047642	2	ROD, THUMB CONTROL LINKAGE
32	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
33	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
34	5023157	1	BOLT, 5/16-18 X 1 1/2" FLANGE
35	5047697B	1	WELD, CONTROL SHAFT
36	5047740	1	LINK, STUD
37	5025013X32	1	BOLT, 3/8-16 X 4" GD5 YZ
38	5049352	1	SPRING, EXT, 3.875 X .70 LOOP
39	5048328	1	LINK, PARKING BRAKE LOWER
40	5022481	2	COLLAR, 1/4" SET
41	5047732	1	LEVER, DUMP VALVE

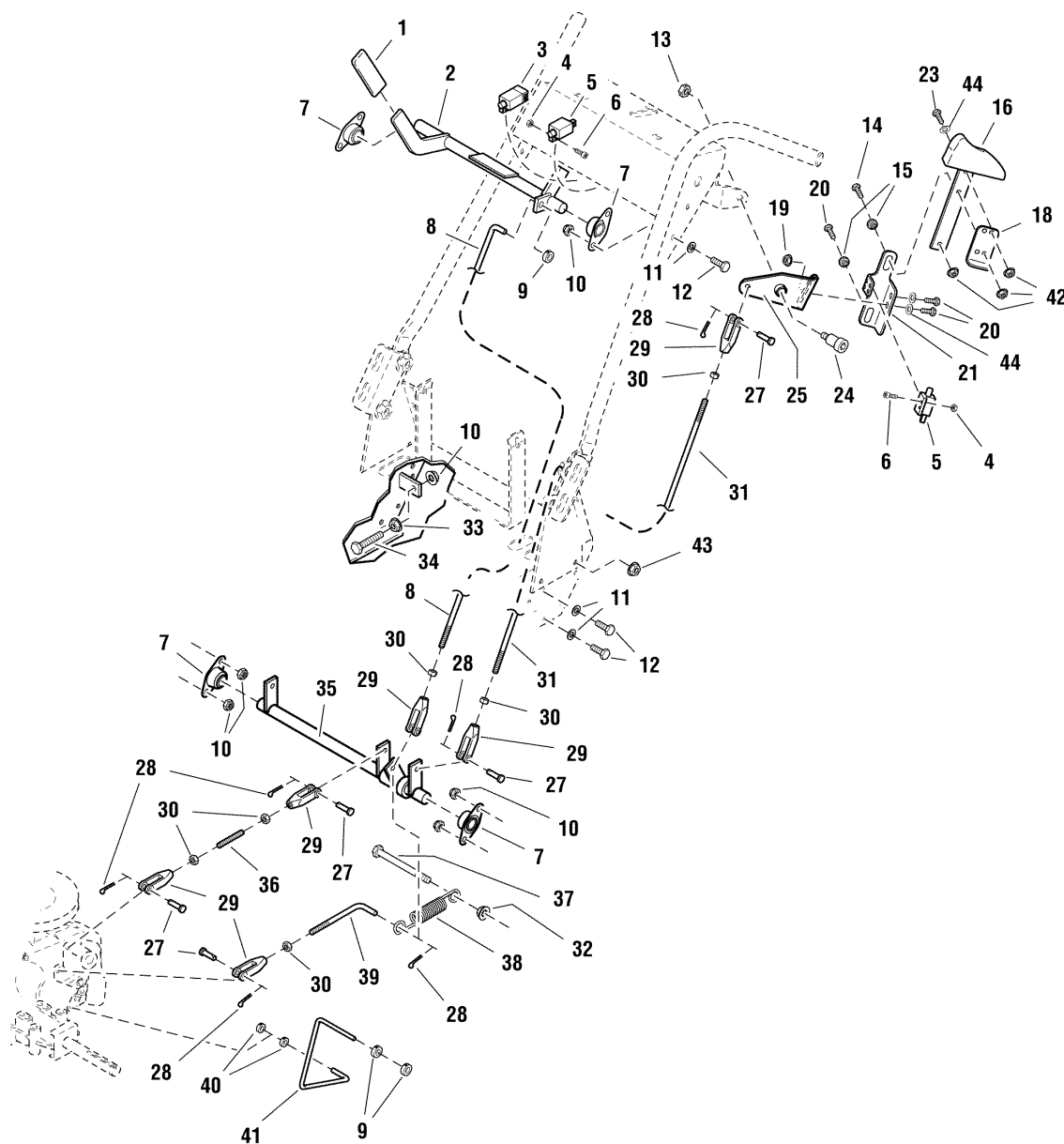
Footnotes

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5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136020 & Below)

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Motion Control, Parking Brake, & Operator Presence Group (S/N: 2013136020 & Below)

REF NO.	PART NO.	QTY.	DESCRIPTION
42	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE
43	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
44	5025154	6	WASHER, 1/4" SAE

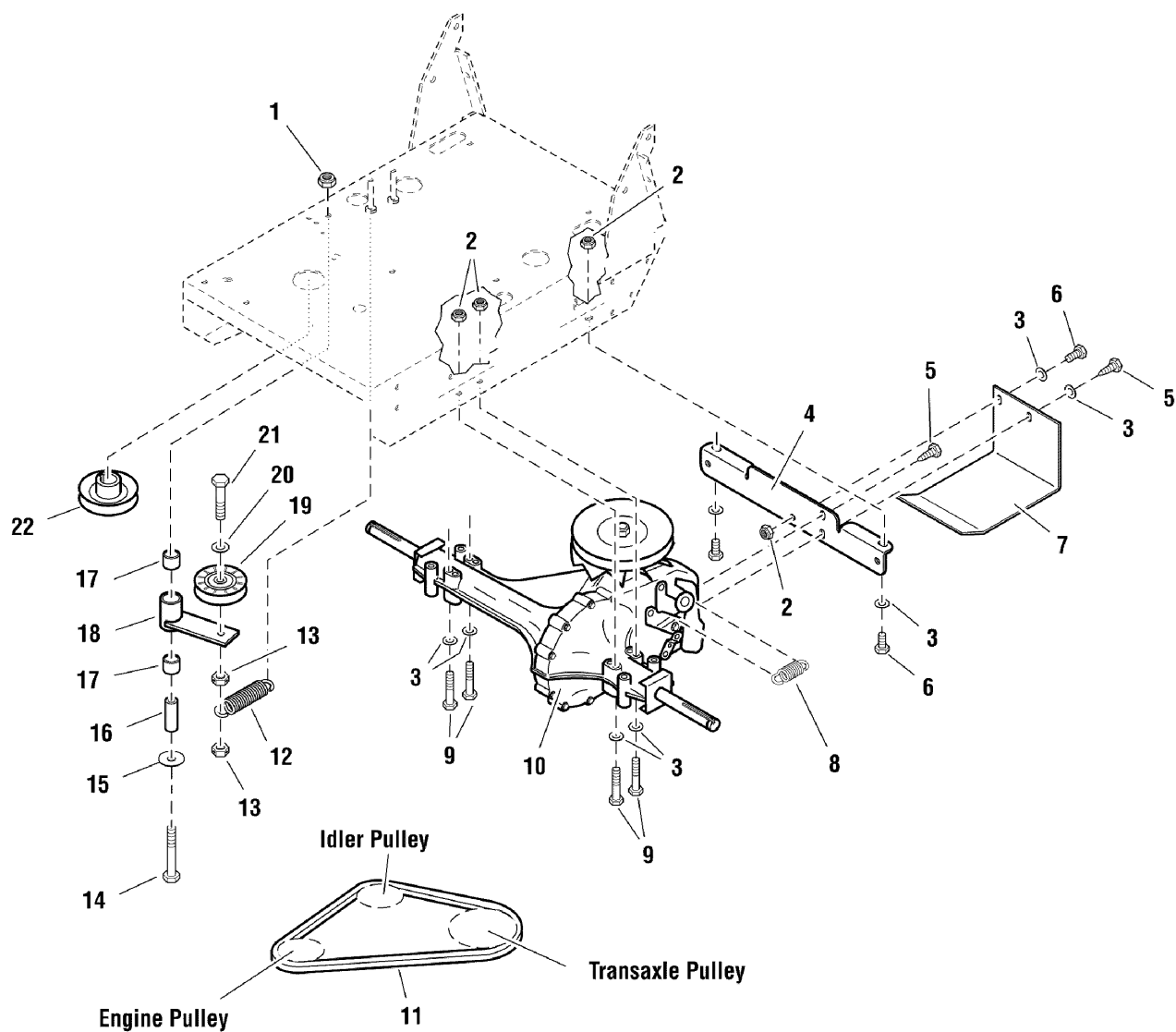
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Transaxle & Mount Group

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specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Transaxle & Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
2	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
3	5025155	7	WASHER, 5/16" SAE
4	5047582B	1	BRACE, TRANSAXLE
5	5025059X6	2	BOLT, 5/16-18 X 3/4", SELF-TAPPING
6	5025011X8	3	BOLT, 5/16-18 X 1" GD5 YZ
7	5048312B	1	SKID PLATE
8	5022967	1	HYDRO RETURN SPRING
9	5025011X24	4	BOLT, 5/16-18 X 3" GD5 YZ
10	5022905	1	TRANSAXLE, HYDROSTATIC
11	5023058	1	BELT, # 46-4631
12	5020807	1	SPRING, EXTENSION
13	5025100	2	NUT, 3/8-16 HEX SIDE LOCK
14	5025013X24	1	BOLT, 3/8-16 X 3" GD5 YZ
15	5025165	1	WASHER, 3/8" FENDER
16	5047716	1	SPACER, .41 X .75 X 2.06
17	5020876B	2	BUSHING, BRASS, 3/4 X 1 X 1
18	5047717B	1	PIVOT ARM, WELDMENT
19	5043627	1	PULLEY, IDLER ASSEMBLY
20	5025156	1	WASHER, 3/8" SAE
21	5025013X16	1	BOLT, 3/8-16 X 2" GD5 YZ
22	5047914	1	PULLEY, DRIVE, 4.50 OD X 1.000 ID

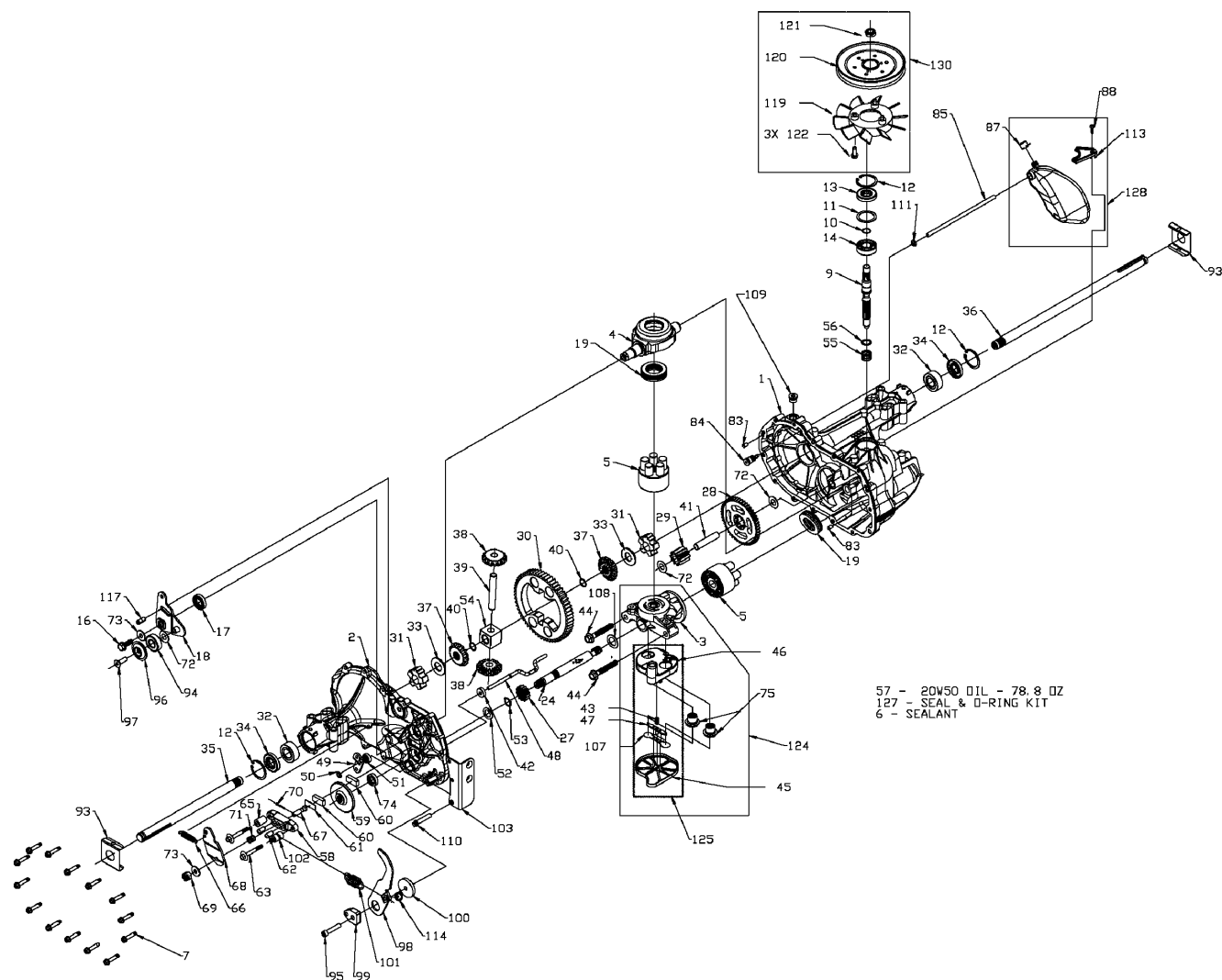
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The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Transaxle - SERVICE PARTS

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use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

Transaxle - SERVICE PARTS

REF NO.	PART NO.	QTY.	DESCRIPTION
2	5022905X24	1	ASSEMBLY, SIDE HOUSING
6	5022905X1	10.5	SEALANT
9	5022905X2	1	SHAFT, INPUT
10	5022905X3	1	RING - RETAINING
11	5022905X4	1	SPACER
12	5022905X5	3	RING - RETAINING
13	5022905X16	1	SEAL, Lip, .67 x 1.58 x .276
14	5022905X6	1	BALL BEARING
17	5022905X18	1	SEAL, LIP, 18 X 32 X 7
32	5022905X7	2	OUTBOARD SLEEVE BEARING
34	5022905X17	2	LIP SEAL, Axle Seal
35	5022905X8	1	AXLE SHAFT - RH
36	5022905X9	1	AXLE SHAFT - LH
51	5022905X19	1	SEAL, LIP, .741 X .250 X .250 TC
55	5022905X10	1	SPRING - HELICAL COMPRESSION
56	5022905X11	1	WASHER
57	5022905X12	78.8	20W-50 OIL
67	5022905X22	1	BOLT, SQ. HD. 5/16-24 RIBBED
74	5022905X20	1	KIT, SEAL
101	5022967	1	HYDRO RETURN SPRING
103	5022905X21	1	BRACKET, TORQUE
119	5022905X13	1	FAN, 6", 10 BLADE
128	5022905X14	1	EXPANSION TANK KIT
130	5022905X15	1	FAN/PULLEY KIT (Includes Ref. No. 119)

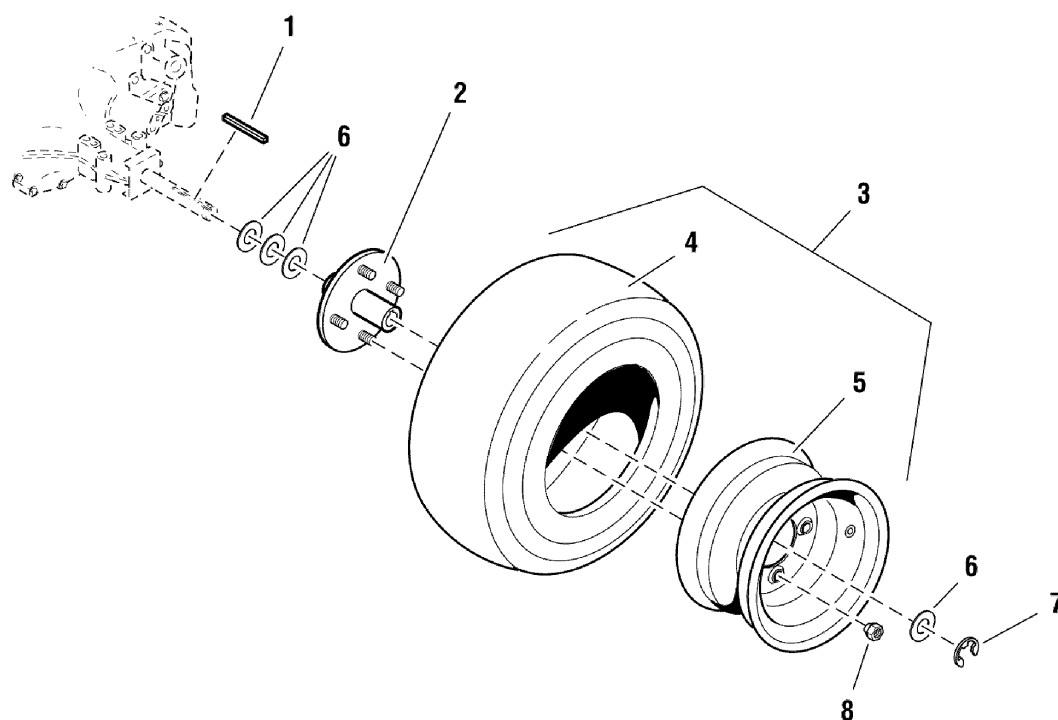
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Tire & Wheel Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Tire & Wheel Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5048409	2	KEY, 3/16 SQ. X 2-1/2
2	5048417	2	DRIVE HUB (Includes Ref No. 8)
3	5023104	2	WHEEL & TIRE ASSEMBLY, 16 x 6.5 x 8, Complete (Includes Ref No. 4 & 5)
4	5023104X2	2	TIRE, 16. x 6.5 x 8
5	5023104X1	2	WHEEL ASSEMBLY, 8 x 5.38
6	5025520X3	8	SHIM
7	5020863	2	C-CLIP
8	5020601	8	LUG NUT, 1/2-20

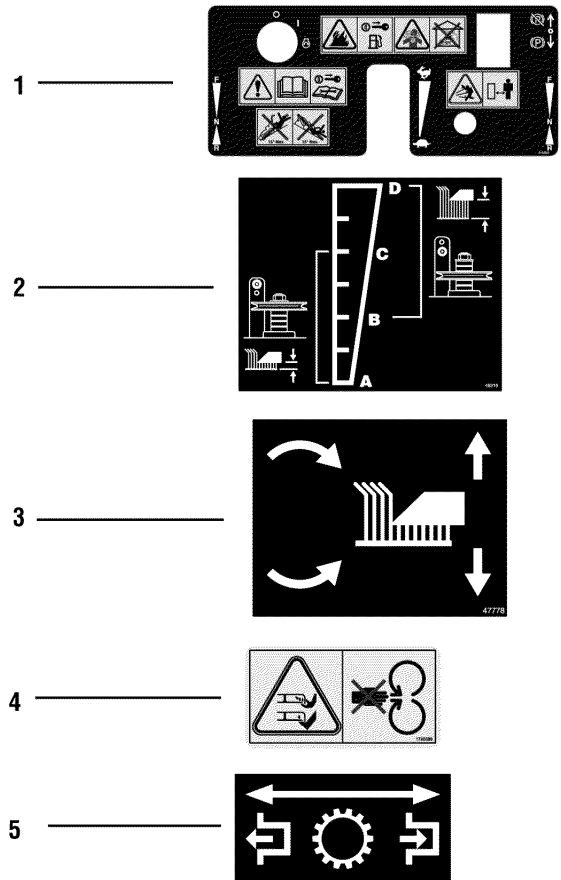
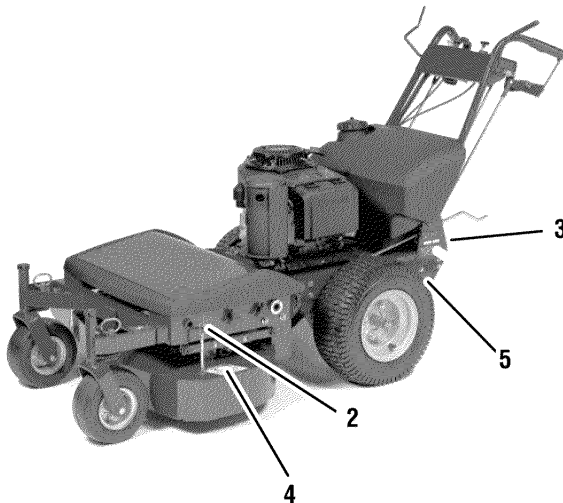
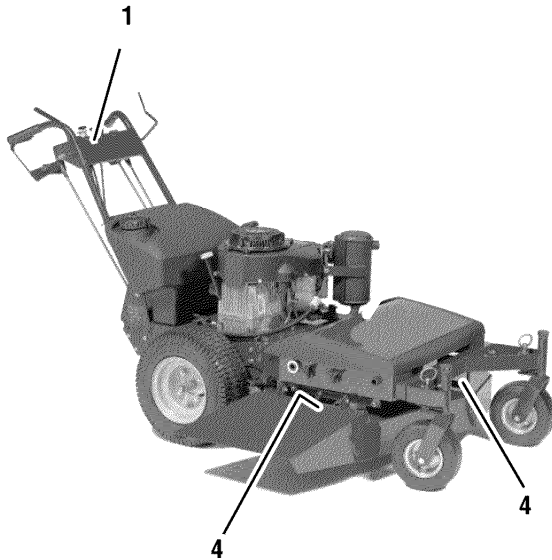
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The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Decals - Safety & Instruction

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

Decals - Safety & Instruction

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5100507	1	DECAL, CONTROL PLANEL, HC
2	5049318	1	DECAL, HEIGHT OF CUT
3	5047778	1	DECAL, DECK HEIGHT ADJUST
4	1720389	3	DECAL, DANGER, ROTATING BLADES
5	5049320	1	DECAL, HYDRO RELEASE

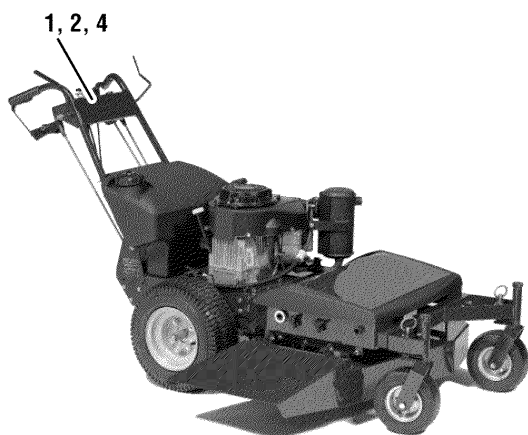
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Decals - Brand & Model

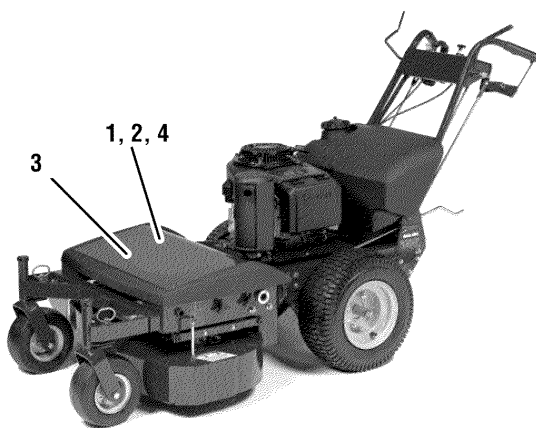
NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



1 ———  **Simplicity**

2 ——— 

4 ——— 



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

Decals - Brand & Model

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1722551	2	DECAL, SIMPLICITY LOGO GV3079178
2	7100246	2	DECAL, SNAPPER PRO
3	5075563	1	DECAL, 32" SILVER COMMERCIAL (Not Shown)
4	5022560	2	DECAL, FERRIS TEXT & LOGO

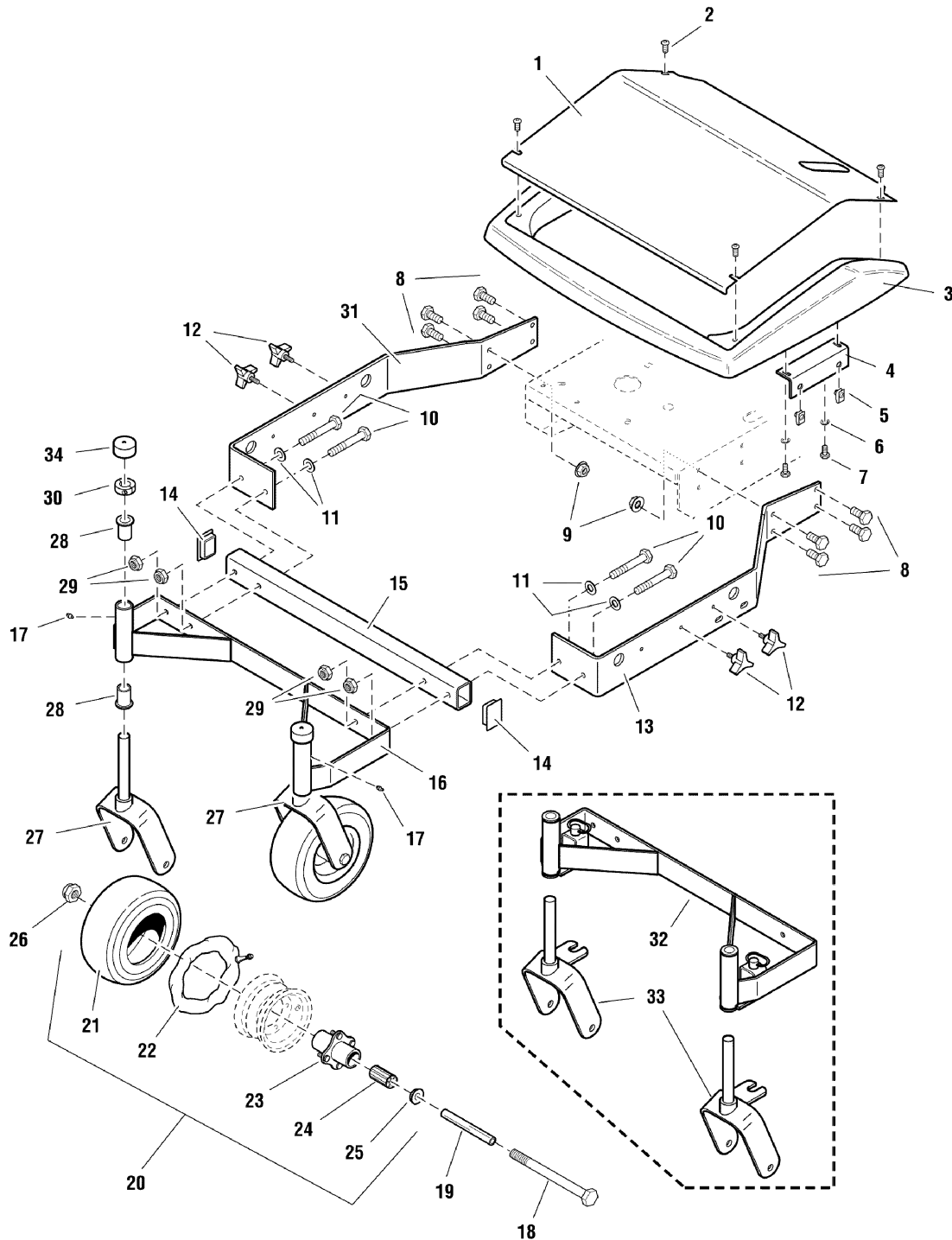
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

32" Mower Deck - Frame, Casters, & Shield Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
5901182 (HC32KAV13E) 32" 13 HP Hydro

32" Mower Deck - Frame, Casters, & Shield Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5048145B	1	SHIELD INSERT
2	5025299X4	4	SCREW, Allen Head, 1/4-20 x 1/2
3	5048150	1	GUARD, MOWER HOUSING
4	5048353B	2	SHIELD MOUNT BRACKET
5	5022308	4	BODY CLIP, 5/16-18
6	5025169	4	WASHER, 1/4" Lock
7	5025010X6	4	BOLT, 1/4-20 x 3/4
8	5025013X8	8	BOLT, 3/8-16 x 1
9	5025128	8	NUT, 3/8-16 Hex Serrated Flange
10	5025013X20	4	BOLT, 3/8-16 x 2-1/2
11	5025156	4	WASHER, 3/8" SAE
12	5022319	4	KNOB
13	5047648B	1	FRAME RAIL - LH
14	5022098	2	CAP, Plastic
15	5048194B	1	CROSS TUBE
16	5048969	1	CASTER MOUNT FRAME, Complete (Includes Ref No. 17 & 28)
17	5020095	2	GREASE FITTING
18	5025017X44	2	BOLT, 1/2-13 x 5-1/2
19	5041657	2	AXLE, Caster Wheel
20	5021181S	2	WHEEL & TIRE ASSEMBLY, Silver, 9 x 3.5 x 4, Complete (Includes Ref No. 21 - 25)
21	5021181X1	2	TIRE, Front, 9 x 3.5 x 4
22	5021181X2	2	TUBE
23	5021181SX3	2	HUB & BEARING ASSEMBLY, Complete, Silver (Includes Ref No. 24 & 25)
24	5021182	2	BEARING, Roller (1 per tire)
25	5021043	4	RETAINER, Bearing (2 per tire)
26	5025056	2	NUT, 1/2-13 Hex Nylon Lock
27	5048172B	2	CASTER YOKE (Use with Ref No. 16, part no. 48969)
28	5020823	4	BUSHING, Flange
29	5025096	4	NUT, 3/8-16 Hex Nylon Lock
30	5010114	2	COLLAR, 3/4" Split
31	5047649B	1	FRAME RAIL - RH
32	5048968	1	CASTER MOUNT FRAME W/ LOCKS, Complete (Includes Ref No. 17 & 28)
33	5048965B	2	CASTER YOKE (Use with Ref No. 32, part no. 48968)
34	5023274	2	CAP,VINYL, 1.375 X 1

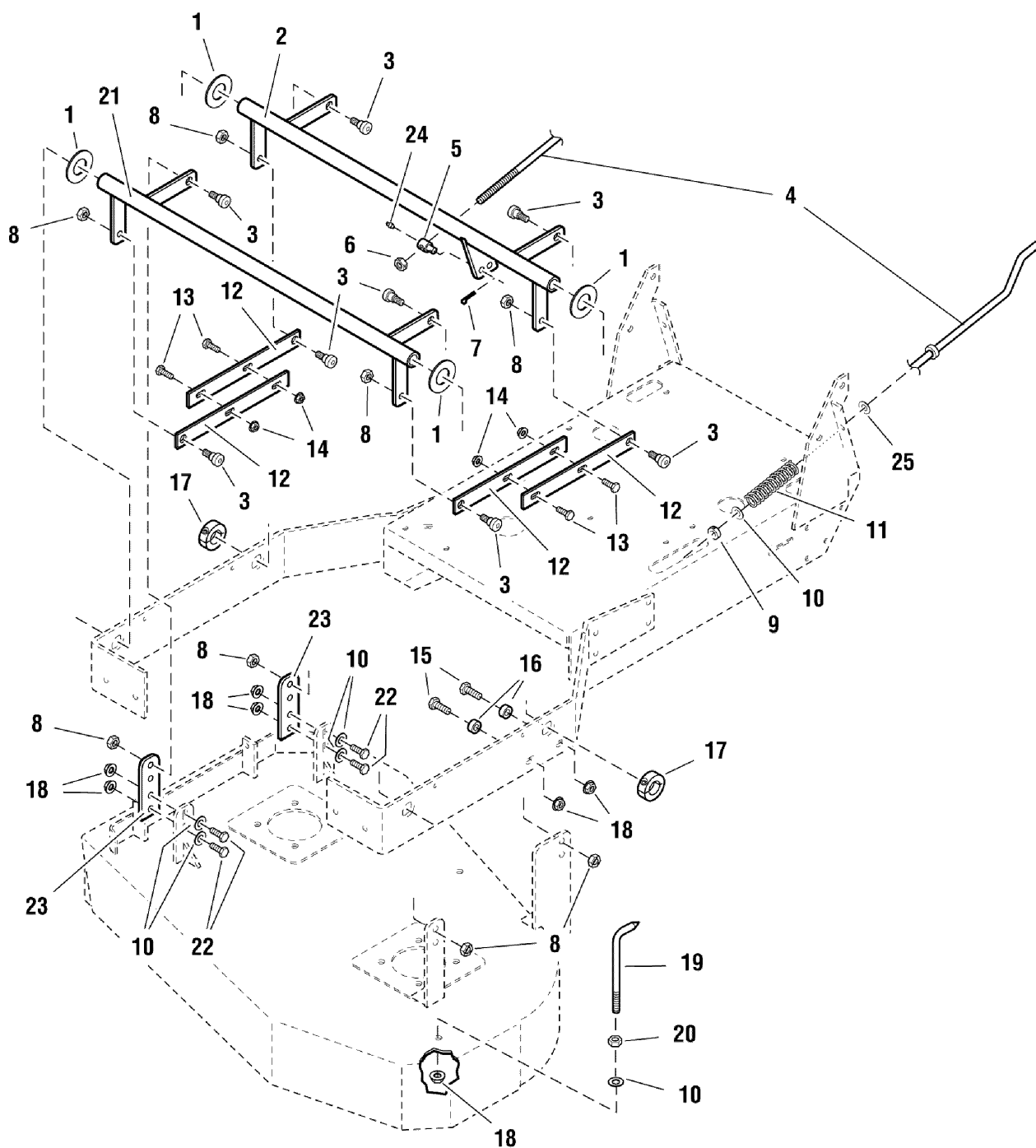
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

32" Mower Deck - Height Adjustment Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

32" Mower Deck - Height Adjustment Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025162	4	WASHER, 1" SAE
2	5047682B	1	DECK LIFT PIVOT - REAR
3	5025356	8	SHOULDER BOLT, 1/2 x 3/8
4	5047655	1	HEIGHT ADJUST ROD
5	5048526	1	LINKAGE ADJUSTER
6	5025100	1	NUT, 3/8-16 Hex Side Lock
7	5025201X6	1	COTTER PIN, 3/32" x 3/4"
8	5025046	8	NUT, 3/8-16 Hex Top Lock
9	5010546	1	COLLAR, 3/8" Set
10	5025156	6	WASHER, 3/8" SAE
11	5022645	1	SPRING, Compression
12	5047710B	4	DECK ADJUST LINK
13	5025011X8	4	BOLT, 5/16-18 x 1
14	5025139	4	NUT, 5/16-18 Hex Large Serrated Flange
15	5025013X10	2	BOLT, 3/8-16 x 1-1/4
16	5044933	2	SPACER, .39 x .75 x .38
17	5048549	2	COLLAR, Double Split, 1"
18	5025128	7	NUT, 3/8-16 Hex Serrated Flange
19	5047737	1	CUT HEIGHT INDICATOR
20	5025034	1	NUT, 3/8-16 Hex
21	5047681B	1	DECK LIFT PIVOT - FRONT
22	5025013X6	4	BOLT, 3/8-16 x 3/4
23	5048439B	2	HANGER PLATE
24	5020095	1	GREASE FITTING
25	5048548	1	WASHER, 3/8" NYLON HYDRO CUT

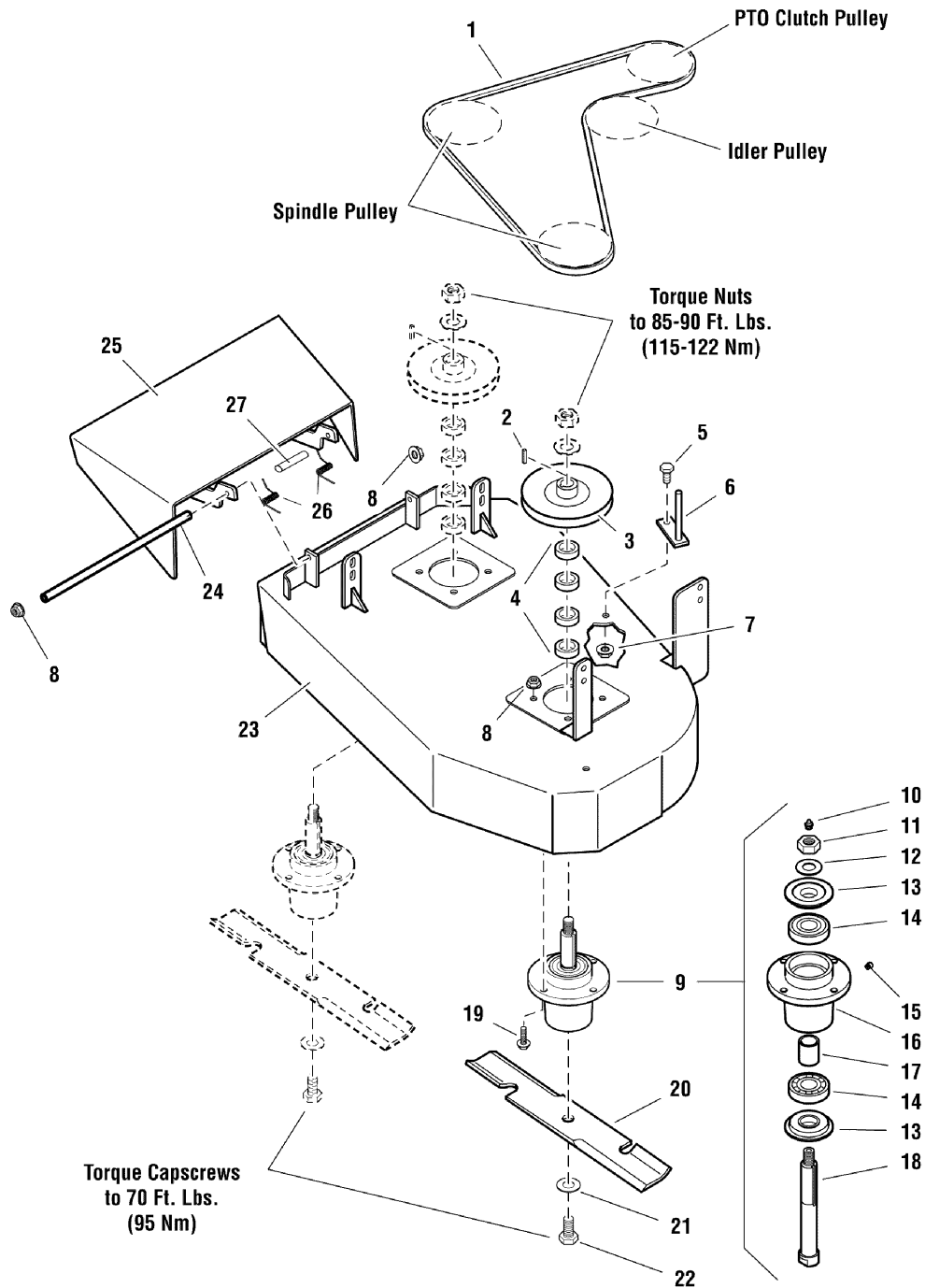
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

32" Mower Deck - Housing, Spindles, Blades, & Pulleys Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

32" Mower Deck - Housing, Spindles, Blades, & Pulleys Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022918	1	BELT
2	5050407X1	2	KEY, 1/4 SQ. X 1
3	5047638	2	SPINDLE PULLEY
4	5041476	8	SPACER, 1.02 X 1.56 X .50
5	5025013X8	1	BOLT, 3/8-16 x 1
6	5047777B	1	BELT GUIDE
7	5025126	1	NUT, 1/4-20 Hex Serrated Flange
8	5025392	10	NUT, 5/16-18 Hex Nylock Flange
9	5061096	2	SPINDLE ASSEMBLY, Complete (Includes Ref No. 10 - 18)
10	5023329	2	GREASE FITTING
11	5025405	2	NUT, 3/4-16 Hex
12	5025406	2	WASHER, 3/4" Belleville
13	5049793	4	TRASH SHIELD
14	5023330	4	BEARING
15	5023296	2	RELIEF VALVE
16	5061097	2	SPINDLE HOUSING
17	5061099	2	SPACER, 1.00 x 1.25 x 1.75
18	5061100	2	SPINDLE SHAFT
19	5023156	8	BOLT, Flange Head, 5/16-18 x 1-1/4
20	5020843	2	MOWER BLADE, 16-1/4"
21	5025159	2	WASHER, 5/8" USS
22	5025320X14	2	BOLT, 5/8-11 x 1-3/4
23	5047576B	1	WELD, MOWER DECK, 32" - RED (Includes safety decals)
24	5045914	1	ROD, CHUTE PIVOT
25	5047724B	1	WELD, DISCHARGE CHUTE
26	1723938	2	SPRING, TORSION
27	5045638	1	SPACER, TORSION SPRING-SHORT

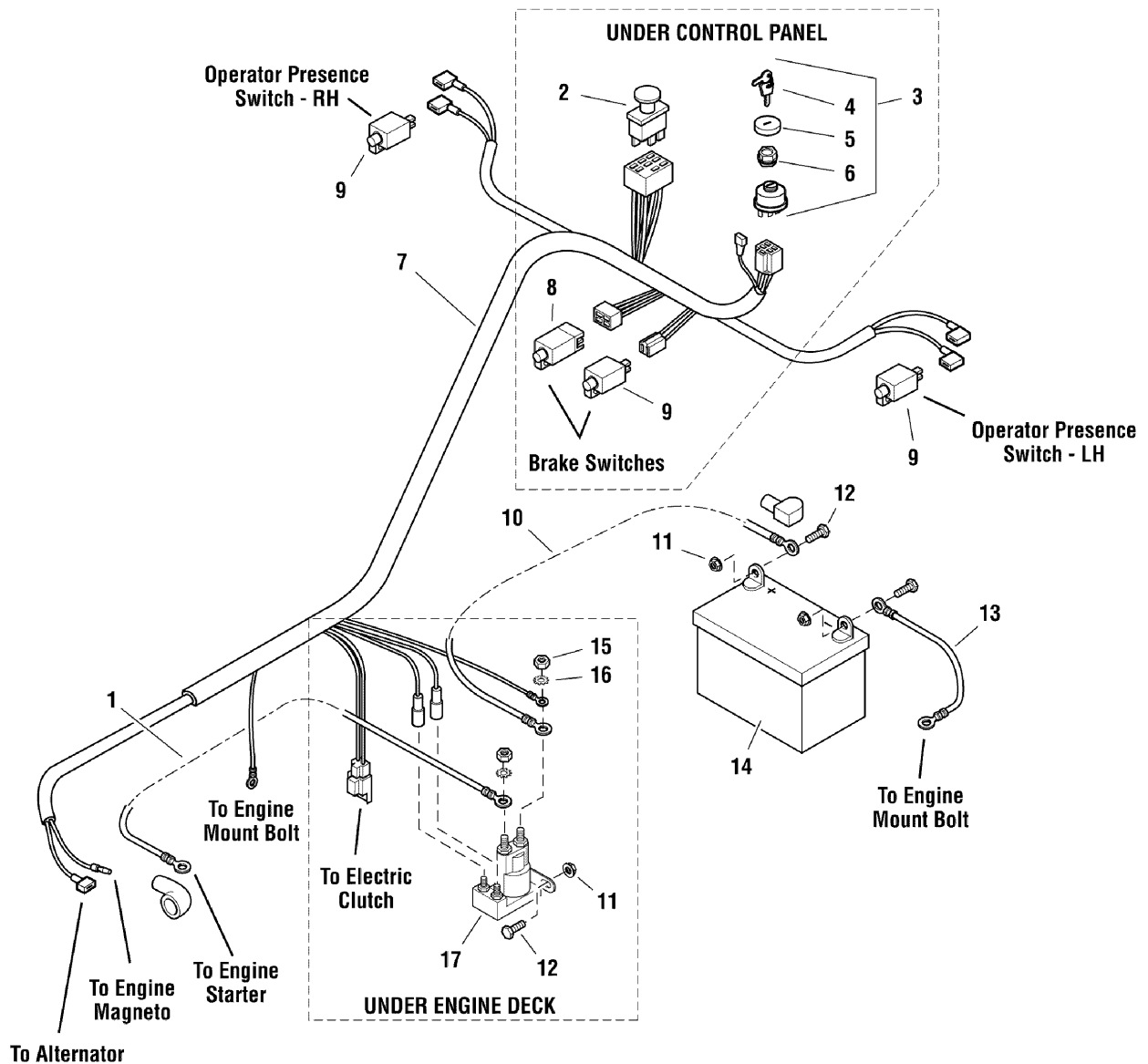
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Electrical Group - Electric Start

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Electrical Group - Electric Start

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5021542	1	POSITIVE (+) BATTERY CABLE, 30" (See Motion Control, Parking Brake & Operator Presence Group - Electric Start)
2	5022180	1	SWITCH, PTO
3	5020927	1	SWITCH, Ignition, Complete (Includes Ref No. 4 - 6)
4	5022789	1	KEY, Ignition, Molded Set
5	5022790	1	COVER
6	5022791	1	PLASTIC NUT
7	5061470	1	WIRE HARNESS
8	5022438	1	SWITCH, Plunger, NO/NO
9	5021769	3	SWITCH, Plunger, NC
10	5021405	1	POSITIVE (+) BATTERY CABLE, 22"
11	5025126	4	NUT, 1/4-20 Hex Serrated Flange
12	5025010X6	4	BOLT, 1/4-20 x 3/4
13	5021406	1	NEGATIVE (-) BATTERY CABLE, 22"
14	-	1	BATTERY, Lawn & Garden, 12V (BCIU1, 340 CCA)
15	5023216	2	NUT, Hex Jam, 5/16-24
16	5023217	2	WASHER, Light Lock, 5/16
17	1724815	1	SOLENOID

Footnotes

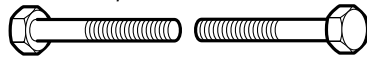
The above parts group applies to the following Mfg. Nos.:

5901182 (HC32KAV13E) 32" 13 HP Hydro

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

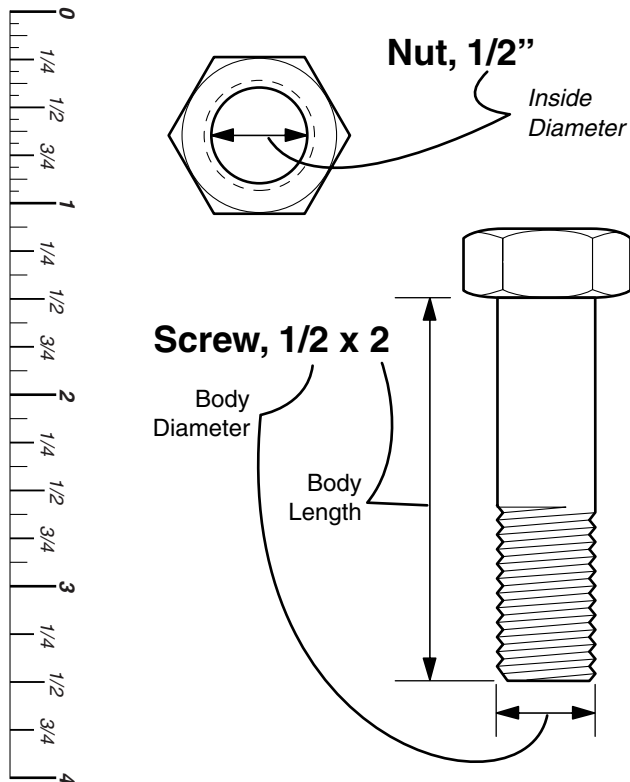


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represents the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

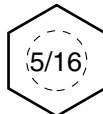
NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

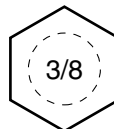
Wrench & Fastener Size Guide



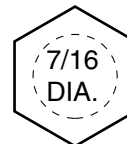
1/4" Bolt or Nut
Wrench—7/16"



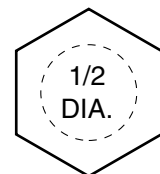
5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

Parts Manual Hydrocut Export Walk-Behind Mower

S/N: 2000856282 & Above

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